



NEW HOLLAND FR

FR450 | FR500 | FR600 | FR700 | FR850



NEW FR.TOP CHOP QUALITY PAYS

For over half a century, New Holland has led the way in self-propelled forage harvesting innovation and capacity. The NEW FR Series harvesters continue New Holland's legacy of industry-leading chopping quality and performance, and add significantly improved capacity, operator comfort and control.

- **Clean power. Pure Performance.** The FR450 and FR500 benefit from the productivity enhancing features of Cursor 9 and 13 engines equipped with ECOBlue™ SCR technology for Tier 4A compliance.



- **Proven Power Cruise™ II system** automatically adapts engine and ground speed to load for fuel savings of up to 15%.

- **Optional Dual Drive system** adds a second hydrostatic drive so more power can be transmitted to the crop attachment. This allows you to adjust attachment speed independently from the feedroll speed on the go.

- **Impressive 55-degree steering angle** allows for smaller headland turns and less time harvesting.

- **Paddle-type blower** increases the flow of air by 40% to move higher volumes of crop more efficiently.

- **Advanced MetaLoc™ system** protects the harvester from metal. Featuring six detection zones, it brings the feedrolls to a halt within 300 milliseconds if metal is detected - protecting cattle and your FR Forager.

- **100% mechanical four-wheel-drive option** permits year-round working in the most extreme conditions.

- **Unique, patented VariFlow™ system** can be changed from maize to grass position in under 2 minutes without the need for tools.

- **State-of-the-art, high-capacity headers** match the FR Series voracious appetite for grass, wholecrop, maize and coppice crops.

HUGE DIMENSIONS FOR HUGE CAPACITY

- NEW! Redesigned, 860mm wide feedrolls allow for increased material throughput.
- Industry-leading HydroLoc™ technology ensures constant chop length regardless of crop or load, and allows you to regulate chop length from the seat.
- Largest cutterhead in the business, at 900mm wide by 710mm in diameter and weighing 600kg, delivers exceptionally high inertia and outstanding chopping performance.
- Patented Adjust-o-matic™ automatic knife sharpening allows you to easily sharpen knives and adjust the shearbar from the comfort of the cab.



- **A full 210 degrees of spout rotation** gives you the freedom to fill trailers to right or left.

- **Optional IntelliFill™ system** automatically controls spout movement, using a 3D camera to automatically detect the trailer edges and monitor filling.

- **NEW! Extended operator platform** includes additional sculpted hand rails for comfortable, safe entry and exit.

- **Ultra-long 3.2 metre wheelbase** assures ultimate stability both in the field and on the road.

- **Ground clearance** is up to a full 14cm more than the competition. This helps when working in muddy, difficult conditions.

- **A wide selection of tyres** is available to suit individual needs. This includes super-tall 710/70R42 tyres, as well as super wide 900/60R38 tyres for a large in-field footprint - enhancing traction, reducing compaction and improving the ride.



THE BIGGEST, QUIETEST FIELD OFFICE

- Spacious cab is larger than the nearest rival and boasts a quiet, 76-decibel sound level.
- Uninterrupted 360-degree panoramic visibility from the wide, curved front and rear windows and sculpted, curved side doors.
- CommandGrip™ multi-function lever puts controls at your fingertips.
- NEW! Ultra-wide IntelliView™ IV color touch-screen monitor puts you in control.
- Electric mirrors can be positioned from within the comfort of the cab.
- Automatic climate control system keeps the cab at a comfortable temperature.
- Fully adjustable operator seat with ergonomic armrest controls, and a full-size instructor seat keep you comfortable on long days.

COMPLETE MAINTENANCE ACCESS

Self-supporting, fully opening single-piece side and rear shielding provides complete access for maintenance tasks. Super-long service intervals allow you to stay in the field longer.



SPECIFICATIONS

Models	FR450	FR500	FR600	FR700	FR850
Engine	FPT Cursor 9*	FPT Cursor 13*	FPT Cursor 13 Turbo Compound*	Caterpillar C18	FPT Vector 20*
Engine configuration and number of cylinders	In-line 6	In-line 6	In-line 6	In-line 6	V8
Capacity (cm³)	8700	12900	12900	18100	20100
Compliant with engine emissions regulations	Tier 4A	Tier 4A	Tier 3	Tier 3	Tier 2
ECObLue™ SCR system (Selective Catalytic Reduction)	●	●	–	–	–
Gross engine power @ 2100rpm - ISOTR14396 - ECER120 [kW/hp(CV)]	300/409	350/475	400/544	470/639	565/768
Max. engine power @ 1800-2000rpm - ISOTR14396 - ECER120 [kW/hp(CV)]	330/449	380/516	441/600	504/685	606/824
Maximum torque @ 1500rpm ISO14396 - ECER120 (Nm)	1939	2272	2590	2957	3584
Torque rise (2100 to 1500rpm) (%)	30%	38%	33%	37%	36%
Power Cruise™ II system	●	●	●	●	●
Fuel tank					
Diesel capacity (l)	1040	1040	1220	1220	1220
AdBlue capacity (l)	150	150	–	–	–
Feeding	HydroLoc™ drive	HydroLoc™ drive	HydroLoc™ drive	HydroLoc™ drive	HydroLoc™ drive
Length of cut adjustment	Infinite	Infinite	Infinite	Infinite	Infinite
Number of feed-rolls (n°)	4	4	4	4	4
MetaLoc™ metal detection with position indication	●	●	●	●	●
Cutterhead knives offering	2 x 6 / 2 x 8 / 2 x 12 / 2 x 16 / 2 x 20				
Cutterhead frame width (mm)	900				
Cutterhead cylinder width (mm)	884				
Cutterhead diameter (max. / min.) (mm)	710 / 690				
Adjust-O-Matic™ shearbar setting	●	●	●	●	●
Automatic knife sharpening system with reverse drive	○	○	○	○	○
Variflow™ system	Shift between crops in under two minutes				
Crop processor					
Roll diameter (mm)	200 / 250	200 / 250	250	250	250
Two-roll system with saw tooth profile (teeth)	77 / 99 / 126 / 166		99 / 126 / 166		
Chrome coated two-roll system with 99/126 Teeth combination	–	○	○	○	○
Width crop processor rolls (mm)	750				
10% speed differential	○	○	–	–	–
22% speed differential	●	●	●	●	●
30% speed differential (only with 99/126 teeth combination)	–	○	○	○	○
60% speed differential (whole crop)	○	○	○	○	○
Roll clearance range (electro-hydraulic adjustment) (mm)	1-6				
Blower					
Blower rotor diameter (mm)	525				
Blower rotor width (mm)	750				
Spout					
Spout maximum height (mm)	6400	6400	6400	6400	6400
Rotation angle (°)	210	210	210	210	210
Automatic spout functions (home and work positions)	●	●	●	●	●
Spout side collision protection	●	●	●	●	●
Abrasive option	○	○	○	○	○
Transmission					
Hydrostatic gearbox with 4 speeds	●	●	●	●	●
Differential lock	●	●	●	●	●
Mechanical powered rear wheels	○	○	○	○	○
Maximum road speed @ 1400rpm (kph)	40	40	40	40	40
Header control systems					
Automatic stubble height control	●	●	●	●	●
Pressure compensation mode	●	●	●	●	●
Autofloat™ system	○	○	○	○	○
Mechanical lateral flotation	●	●	●	●	●
Power Reverse™ hydraulic header reverser	●	●	●	●	●
Automatic header speed synchronisation to forward speed	●	●	●	●	●
Cab glass area (m²)	6.8	6.8	6.8	6.8	6.8
HID lighting pack	○	○	○	○	○
IntelliView™ IV monitor with adjustable position	●	●	●	●	●
3 viewing camera's	○	○	○	○	○
Automatic climate control and coolbox	○	○	○	○	○
Optimum cab noise level - ISO 5131 (dB(A))	76				
New Holland Precision Land Management systems					
Automatic row guidance system for maize headers	○	○	○	○	○
IntelliFill™ system	○	○	○	○	○
Optional additive tank (with adjustable flow) capacity (l)	400	400	400	400	400
Yield measuring and moisture measuring	○	○	○	○	○
Weight*** (kg)	12550	12750	12760	13060	13260

● Standard ○ Option – Not available * Developed by FPT Industrial ** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines *** Grass configuration

New Holland prefers **AMBA** lubricants



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AT YOUR OWN DEALER

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